ANACOSTIA WATERSHED RESTORATION PROJECT

Baltimore District – U.S. Army Corps of Engineers Hyattsville City Council Meeting May 20, 2024 7:00 PM – 8:00 PM

> LEAR BULKHEADS CAN BE CKS & DAM

ESTRESSED CONCRET



AGENDA

- 1. Intro & Project Overview
- 2. Design Progress Update
- 3. Design & Construction Schedule Outlook
- 4. Questions / Discussion





THE ANACOSTIA WATERSHED

- 14 major sub-watersheds and the tidal basin, all located within the metropolitan Washington, DC region
- 176 square miles in Montgomery and Prince George's counties, Maryland, and the District of Columbia



 The Anacostia River Watershed Restoration Plan was released in February 2010 to guide efforts to protect, improve and restore the watershed





WATERSHED ISSUES

- Significant Erosion
- Channel instability and channelization
- Barriers to fish passage 80 to 90% of anadromous fish range currently impeded
- Poor Water Quality
- Degraded habitat for fish and macroinvertebrates



WATERSHED ISSUES







WATERSHED ISSUES



Photos Courtesy of Baird & Stantec Team





PROJECT DRIVERS - FISH PASSAGE AND HABITAT RESTORATION



alewife herring (Alosa pseudoharengus)



american shad (Alosa sapidissima)



native trout (Salmo species)



american eel (Anguilla rostrata)



blueback herring (Alosa aestivalis)



hickory shad (Alosa mediocris)





7

County Executiv

PROJECT DRIVERS – SIGNIFICANT AREAS OF EROSION, SCOUR, AND SEDIMENTATION

Sites 3 & 9



Site 13









PROJECT OVERVIEW

- Feasibility Study initiated in January 2014, leading to a signed Chief's Report in December 2018
- <u>Project Authorization</u>: Section 401(5) of the Water Resources Development Act (WRDA) of 2020
- Congress authorized construction of seven miles of instream habitat, four miles of fish passage, and the connection of 14 miles of previously restored habitat





PROJECT GOALS

- Stabilize and restore stream banks
- Prevent future erosion
- Improve fish passage and eliminate barriers to migration
- Improve in-stream habitat for fish and invertebrates
- Promote sediment transport
- Reduce flooding







U.S.ARM

USACE CIVIL WORKS PROJECT DEVELOPMENT







PROJECT STATUS

- Currently in Construction Phase Project Partnership Agreement (PPA) executed 15 Dec 2022
- Continuing design work for Sites 3, 9, & 13
- Relocating Site 13 pedestrian bridge in late 2024 / early 2025
- Awarding AE Design Task Order for Sites 5, 11, and 15 in spring 2025



SITES 3 & 9 STATEMENT OF WORK & STATUS OF DELIVERABLES

Tasks Completed

- Quality Control Plan
- Project Work Plan Schedule
- Construction Cost Estimate
- Task 1 Topographic Survey
- Task 2 Hydraulic & Hydrologic Modeling
- Task 3 Geotechnical Investigation
- Task 4 Structural Engineering
- Task 5 Environmental Permitting
- Task 6 10% Restoration Concept Plan
- Task 7 Design Documentation Report
- Task 8 35% Concept Design Submission
- Task 9 65% Preliminary Design









SITES 3 & 9 - STATEMENT OF WORK & STATUS OF **DELIVERABLES**

Tasks Remaining

- Task 10 95% Final Design (needs 3rd party review)
- Task 11 100% Documents - TBD







County Executiv



SITE 13 STATEMENT OF WORK & STATUS OF DELIVERABLES

Tasks Completed

- Quality Control Plan
- Project Work Plan Schedule
- Construction Cost Estimate
- Task 1 Topographic Survey
- Task 2 H&H Modeling
- Tasks 3 & 4 Not Required
- Task 5 Env. Permitting
- Task 6 10% Restoration Concept Plan
- Task 7 Design Documentation Report
- Task 8 35% Concept Design

	Tank	Task Name	Duration	Quet	Finish	Previewenness	Notes	0+3 3033 0+4 3033 0+3 3033 0+3 3033 0+3 3033 0+3 3033 0+4 3033 0+4 3034 0+3 3034 0+3 3034 0+4 3034 0+4 3034
0	Mode	Tank Marine		2001		- Coloradora	- toma	To a state of a state
_	-	PROJECT TIMELINE-SITE 13	506 days	Fri 5/5/23	Fri 4/11/25			PROJECT TIMELINE-SITE 13
141	-	A. Initial site kick-off meeting	1 day	Fri 5/5/23	Fri 5/5/23			
	- 5	B. Survey and Mapping	85 days	Mon 5/8/23	Fri 9/1/23			B. Survey and Mapping
	- 1	C. 10% Design Meeting Site 13	111 days	Mon 5/8/23	Mon 10/9/23	2		C. 10% Design Meeting Site 13
	*	10% Design Charrotte	1 day	Tue 10/10/23	Tue 10/10/23	6		l l l l l l l l l l l l l l l l l l l
	-	D. 35% Concept Design Site 13	90 days	Wed 10/11/23	Tue 2/13/24	7		D. 35% Concept Design Site 13
	-	E. 35% Design Government Review - Site 13	22 days	Wed 2/14/24	Thu 3/14/24			E. 35% Design Government Review - Site 13
	-	F. 35% Concept Design Review Conference Site 13	2 days	Fri 3/15/24	Mon 3/18/24	12		F. 35% Concept Design Review Conference Site 13
	-	G. 65% Design Site 13	65 days	Tue 3/19/24	Mon 6/17/24			G. 65% Design Site 13
	-	H.65% Design Government Review-Site 13	22 days	Tue 6/18/24	Wed 7/17/24			H.65% Design Government Review-Site 13
	- 5	1. 65% Design Review Conference	2 days	Thu 7/18/24	Fri 7/19/24	18		1. 65% Design Review Conference
	-	J. 95% Final Design Site 13	65 days	Mon 7/22/24	Fri 10/18/24			J. 95% Final Design Site 13
	-	K.95% Design Government Review-Site 13	22 days	Mon 10/21/24	Tue 11/19/24			K.95% Design Government Review-Site 13
	-	L 95% Final Design Review Conference	2 days	Wed 11/20/24	Thu 11/21/24	24		L 95% Final Design Review Conference
	-	PERMITTING PHASE-SITE 13	371 days	Tue 10/10/23	Tue 3/11/25			PERMITTING PHASE-SITE 13
	-	PHASE 1 (10%->35%)	225 days	Tue 10/10/23	Mon 8/19/24			PHASE 1 (10%->35%)
120	15	Wetland/Soil Report Preparation	30 days	Tue 10/10/23	Mon 11/20/23	6		Wetland/Soil Report Preparation
	Ξ.	MDE Pre-App Meeting Onsite	1 day	Fri 11/17/23	Fri 11/17/23	28FS-2 days	MOE	MDE Pre-App Meeting Onsite
	-	NRI/FSD Permit Application Process	225 days	Tue 10/10/23	Mon 8/19/24		MINCPIPC	NRI/FSD Permit Application Process
	-	PHASE 2 (35%->65%)	170 days	Fri 3/15/24	Thu 11/7/24			PHASE 2 (35%->65%)
	10	PGDOE-Site Development Concept Process	71 days	Fri 3/15/24	Fri 6/21/24		PGDOE/SRDPR	PGDOE Site Development Concept Process
	-	MDE-E&S/SWM Concept Plan Process	41 days	Fri 3/15/24	Fri 5/10/24		MOE/MOPR	MDE-E8S/SWM Concept Plan Process
	-	MDOT-Road Access Permit	50 days	Tue 6/18/24	Mon 8/26/24		MDOT-SHA	MDOT-Road Access Permit
	-	WSSC-Review/Approval Process	103 days	Tue 6/18/24	Thu 11/7/24		wssc	WSSC-Review/Approval Process
	15	PHASE 3 (65%->95%)	236 days	Wed 2/14/24	Wed 1/8/25			PHASE 3 (65%->95%)
	10	MNCPPC-TCPII Review Process	57 dava	Wed 2/14/24	Thu 5/2/24		MINCHPC	MNCPPC-TCPII Review Process
	-	Electricial Review Process	\$2 days	Mon 6/17/24	Tue 8/27/24		PODOE/34DPR	Floodplain Review Process
	-	MDE-EAS Final Plan Approval Process	31 days	Mon 10/21/24	Mon 12/2/24		MDE	MDE-E&S Final Plan Approval Process
	10	IPA Permit Process	92 days	Tue 7/30/24	Wed 12/4/24		USACE/MDR	JPA Permit Process
	-	MNCPPC-Mandatory Referal Process	7 days	Wed 2/14/24	Thu 2/22/24		Not Rer-WMR-202	MNCPPC-Mandatory Referal Process
	10	PGDOE-SiteDex-Fine Grading Permit	27 days	Tue 12/3/24	Wed 1/8/25		PGDOS/3RDPR	PGDOE-SiteDev-Fine Grading Permit
	-	PHASE 4 (95%->CD)	161 days	Tue 7/30/24	Tue 3/11/25			PHASE 4 (95%->CD)
	-	PG-DENET MOT Pasian /POW Parmit	AS dawn	Wed 1/8/25	Tue 2/11/25		DECOMPT	PG-DPW&T MOT Review/ROW Permit
	-	MDE-NOI Permit Process	90 days	Tue 7/80/24	Mon 12/2/24		MOI	MDE-NOI Permit Process
	-	M. 100 % BID DOCS Phase - Final Design	36 days	Thu 1/9/25	Thu 2/27/25			M. 100 % BID DOCS Phase - Final Design
-	-	N. Final Design Besign Conference	2 days	Fri 2/28/25	Map 3/3/25	-		
	-	O. Original Documents/EBS (Finalization of design and bid documents)	15 days	Tue 3/4/25	Mon 3/24/25	95		
-	-	Finalization of documents incorporating permit conditi	m 14 dava	Tue 3/25/25	Fri 4/11/25	90.85.96		
		Task Project	annery 1	1 Mar	al Task		Start-cely	E Deadine I Manual Prozess
ect A	WS-SIT	13 Soft	ark (Due	tion-only	_	Field-cely	3 084
e: We	a 10/4/2	Miedone Inative	distone	Man	al Summary Rolup		External Tasks	Official Self
						_		







SITE 13 STATEMENT OF WORK & STATUS OF DELIVERABLES

Tasks Remaining

- Task 9 65% Preliminary Design Submission (June 17th)
- Task 10 95% Final Design (Oct. 18th) – Needs 3rd party review
- Task 11 100% Documents (Feb. 27th, 2025)

					Anacostia Wa	tershed Stream	Restoration Proj	ject-SITE 13 Baird/
0	Task	Task Name	Duration	Start	Finish	Predecessors	Notes	Qer 8, 2022 Qer 4, 2022 Qer 1, 2023 Qer 2, 2023 Qer 8, 2023 Qer 4, 2023 Qer 4, 2023 Qer 1, 2024 Qer 2, 2024 Qer 4, 2024 Qer 4, 2024 Qer 1, 2025
1	-	PROJECT TIMELINE-SITE 13	SO6 days	Fri 5/5/23	Fri 4/11/25			PROJECT TIMELINE-SITE 13
2 2	-	A. Initial site kick-off meeting	1 day	Fri 5/5/23	Fri 5/5/23			h
3	-	B. Survey and Mapping	85 days	Mon 5/8/23	Fri 9/1/23			B. Survey and Mapping
6	-	C. 10% Design Meeting Site 13	111 days	Mon 5/8/23	Mon 10/9/23	2		C. 10% Design Meeting Site 13
7	*	10% Design Charrotte	1 day	Tue 10/10/23	Tue 10/10/23	6		*
8	-	D. 35% Concept Design Site 13	90 days	Wed 10/11/23	Tue 2/13/24	7		D. 35% Concept Design Site 13
10	-	E. 35% Design Government Review - Site 13	22 days	Wed 2/14/24	Thu 3/14/24			E. 35% Design Government Review - Site 13
13	-	F. 35% Concept Design Review Conference Site 13	2 days	Fri 3/15/24	Mon 3/18/24	12		F. 35% Concept Design Review Conference Site 13
14	-	G. 65% Design Site 13	65 days	Tue 3/19/24	Mon 6/17/24			G. 65% Design Site 13
16	-	H.65% Design Government Review-Site 13	22 days	Tue 6/18/24	Wed 7/17/24			H.65% Design Government Review-Site 13
19	-	1. 65% Design Review Conference	2 days	Thu 7/18/24	Fri 7/19/24	18		L 65% Design Review Conference
20	-	J. 95% Final Design Site 13	65 days	Mon 7/22/24	Fri 10/18/24			J. 95% Final Design Site 13
22	-	K.95% Design Government Review-Site 13	22 days	Mon 10/21/24	Tue 11/19/24			K.95% Design Government Review-Site 13
25	-	L 95% Final Design Review Conference	2 days	Wed 11/20/24	Thu 11/21/24	24		L 95% Final Design Review Conference
26	-	PERMITTING PHASE-SITE 13	371 days	Tue 10/10/23	Tue 3/11/25			PERMITTING PHASE-SITE 13
27	-	PHASE 1 (10%->35%)	225 days	Tue 10/10/23	Mon 8/19/24			PHASE 1 (10%->35%)
20 201	-	Wetland/Soll Report Preparation	10 days	Tue 10/10/23	Mon 11/20/23	6		Wetland/Soil Report Preparation
29	-	MDE Pre-App Meeting Onsite	1 day	Fri 11/17/23	Fri 11/17/23	28FS-2 days	MOE	MDE Pre-App Meeting Onsite
30	-	NB1/ESD Barmit Application Process	215 days	Tue 10/10/22	Mon 9/19/34		MINCEPPC	NRI/FSD Permit Application Process
27	-	DUALE 2 (2EM + (EM))	170 4	F-1 3/35/34	The 11/7/74			PHASE 2 (35%->65%)
-		PRASE 2 (35%-265%)	170 days	FT 3/15/24	110 11/7/24		INCOME CARDON	PGDOE Site Development Concept Process
~	-	Poblicistic Development Concept Process	110895	FFI 3/15/24	PH 0/21/24		101/1000	MDL EDS/OWN Concert Rise Process
-	2	MDC-E65/SWM Concept Plan Process	41 days	FR 3/15/24	PH 5/10/24		MOOT SHA	MDOT. Board Access Permit
•	-	MD01-Road Access Permit	50 days	Tue 6/18/24	Mon 8/26/24		water	WSSC. Review (Approval Process
~	-	wssc-nevew/Approval Process	TOO OBAD	106 0/10/24	110 11/1/24			BUASE (VESN - V
	C	PHASE 3 (65%->95%)	236 days	Wed 2/14/24	Wed 1/8/25			
50	-	MNCPPC-TCPII Review Process	57 days	Wed 2/14/24	Thu 5/2/24		MINCHIC	MNCPPC-TCPII Keynew Process
63	-	Floodplain Review Process	52 days	Mon 6/17/24	Tue 8/27/24		PGDOE/SRDPR	Hoodplain Review Process
69	-	MDE-E&S Final Plan Approval Process	31 days	Mon 10/21/24	Mon 12/2/24		MDE	MDE-EdS Final Plan Approval Process
70	-	JPA Permit Process	92 days	Tue 7/30/24	Wed 12/4/24		USACE/MDE	JPA Permit Process
\overline{n}	-	MNCPPC-Mandatory Referal Process	7 days	Wed 2/14/24	Thu 2/22/24		Not Rer-WMR-200	MNCPPC-Mendatory Referal Process m
81	-	PGDOE-SiteDev-Fine Grading Permit	27 days	Tue 12/3/24	Wed 1/8/25		PGDOB///RDPK	Public-stablev+ine Grading Permit P
86	-	PHASE 4 (95%->CD)	161 days	Tue 7/30/24	Tue 3/11/25			PHASE 4 (95%->CD)
87	-	PG-DPW&T MOT Review/ROW Permit	45 days	Wed 1/8/25	Tue 3/11/25		PGOPWET	PG-DPW&T MOT Review/ROW Permit
89	-	MDE-NOI Permit Process	90 days	Tue 7/30/24	Mon 12/2/24		MDE	MDE-NOI Permit Process
91	-	M. 100 % BID DOCS Phase - Final Design	36 days	Thu 1/9/25	Thu 2/27/25			M. 100 % BID DOCS Phase - Final Design
95	-	N. Final Design Review Conference	2 days	Fri 2/28/25	Mon 3/3/25	94		<u>1</u>
96	-	O. Original Documents/EBS (Finalization of design and bid documents)	15 days	Tue 3/4/25	Mon 3/24/25	95		
97	-	Finalization of documents incorporating permit condition	n:14 days	Tue 3/25/25	Fri 4/11/25	90,85,96		
		Task Project Su	mmary P	1 Ma	sual Task		Start-cely	E Deadline I Manual Progress
roject AV	NS -SITE 13	Split Inactive T	nk 🗆	Dur	ation-only		Rinkh-cely	D Ottoal
benitez	1199/23	Missione Missione	Bestone 0	Ma	nal Summary Rollup 🚃		External Tasks	Critical Split
		Survival Inative S	annay I	Ma	nal Summary	_	External Milestone	¢ hopes
CALL.						Dee		All Prove are Mitchin







PROJECT SCHEDULE

Task	Date
Award Pedestrian Bridge Construction Contract	31 Aug 2024
Award Design Task Order – Sites 5, 11, and 15	28 Mar 2025
Award Construction Contract – Sites 3, 9, & 13	07 Nov 2025
Award Construction Contract – Sites 5, 11, & 15	30 Jun 2027
Construction Completion – Sites 3, 9, & 13	29 Mar 2027
Construction Completion – Sites 5, 11, & 15	30 Aug 2028
Project Closeout	29 Dec 2028





https://www.nab.usace.army.mil/Missions/Environmental/ Anacostia-Watershed-Restoration/





QUESTIONS?

U.S. Army Corps of Engineers, Baltimore District

Please contact Joe Bieberich at: <u>Joseph.C.Bieberich@usace.army.mil</u> 410-962-1749



